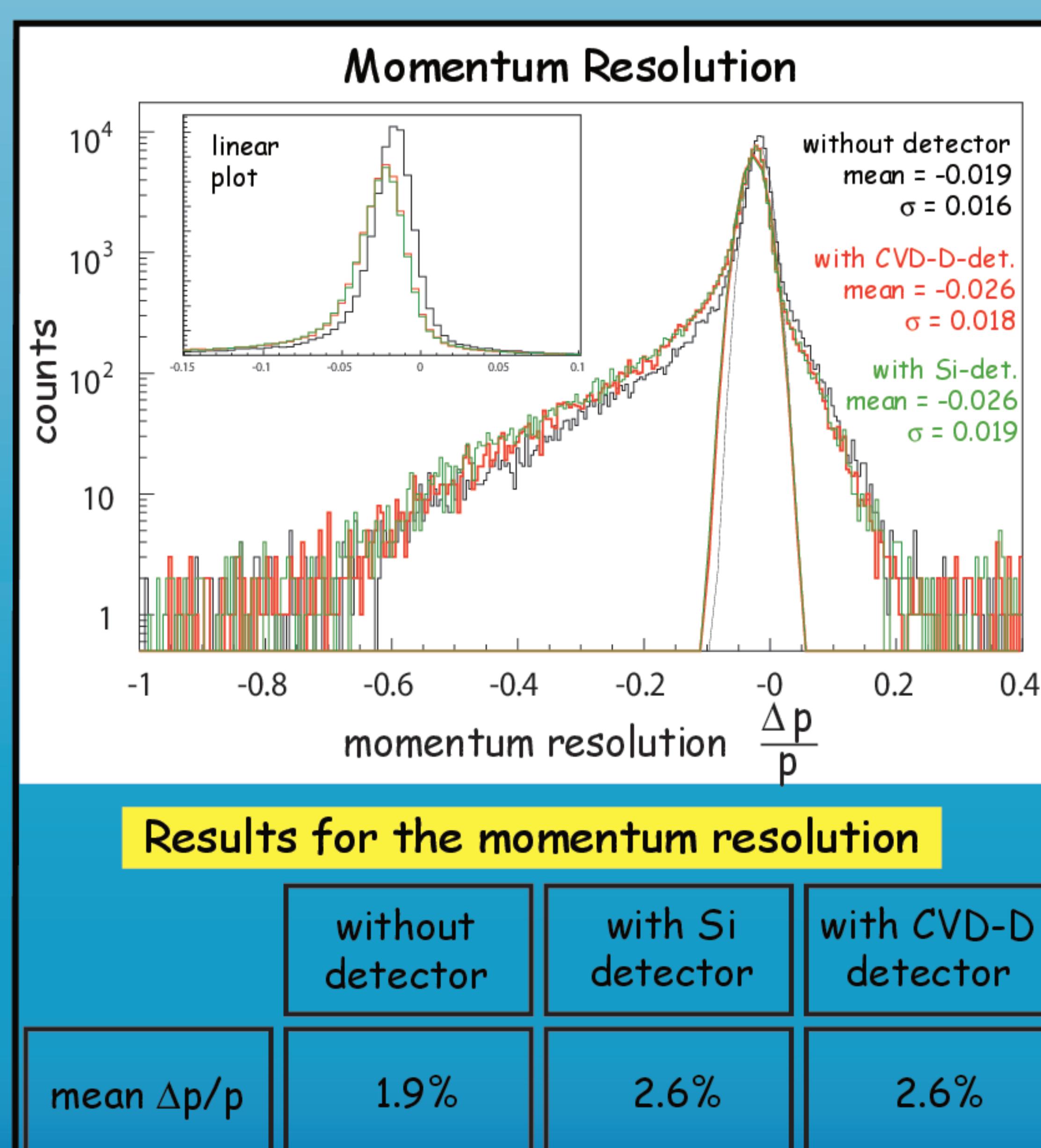
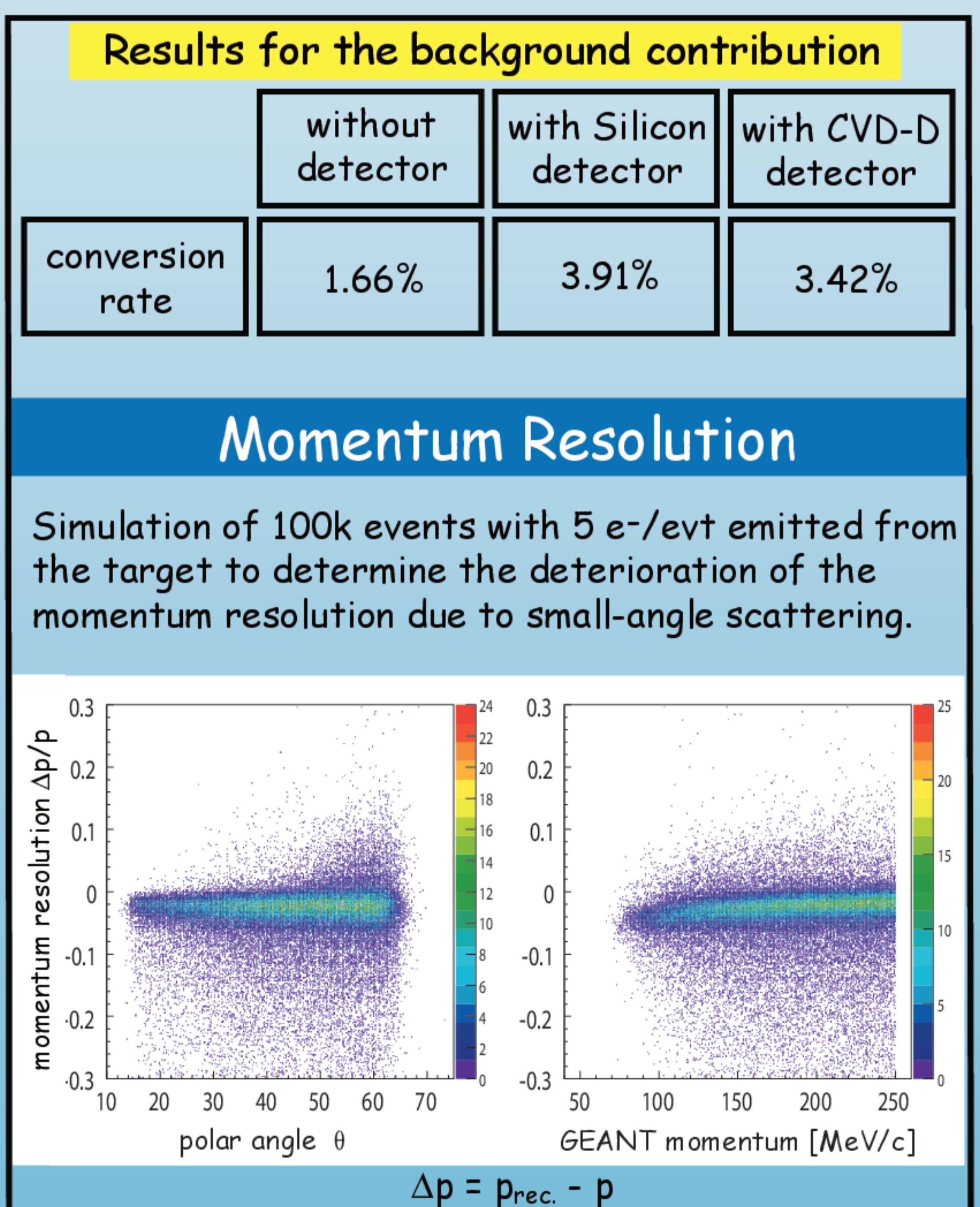
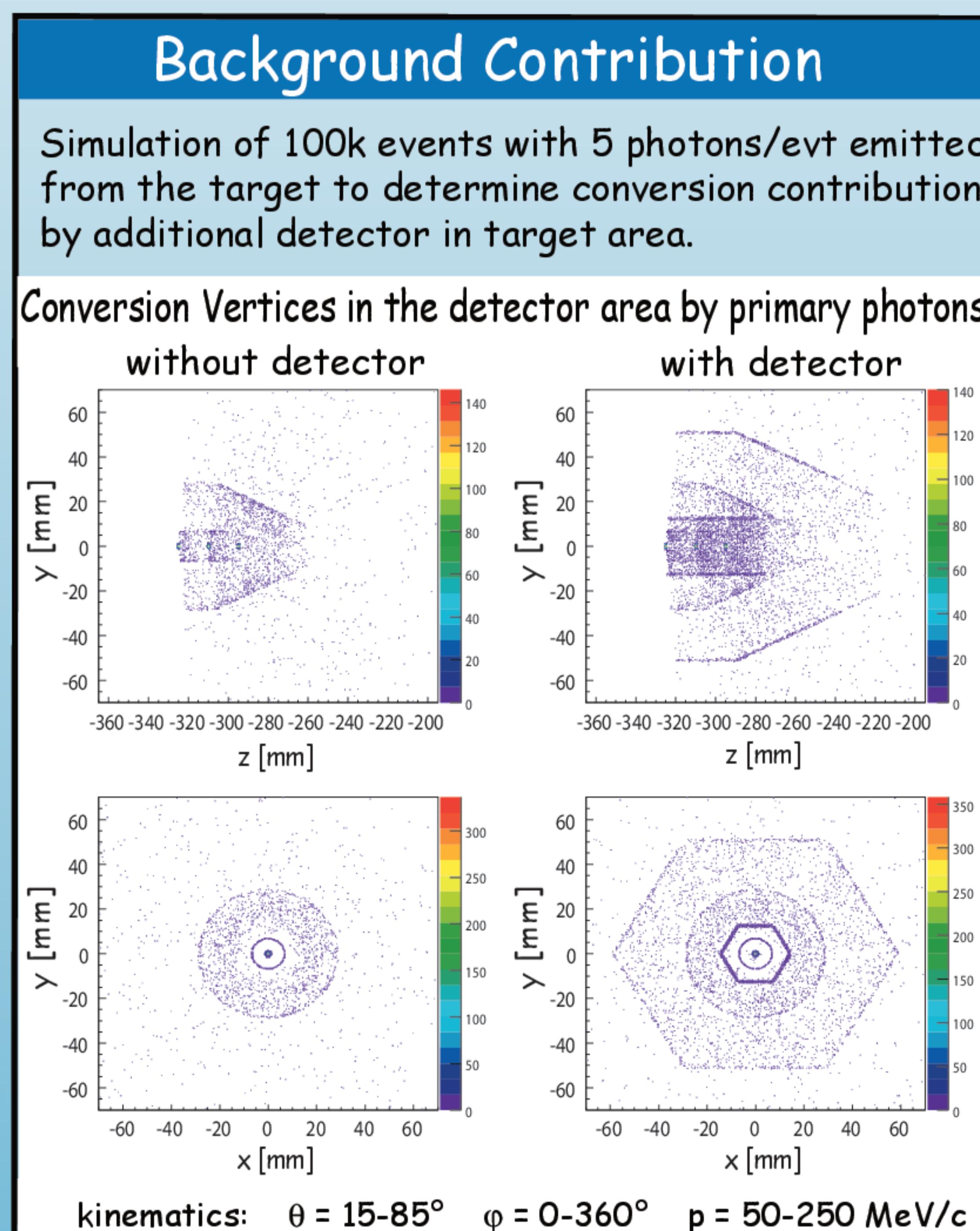
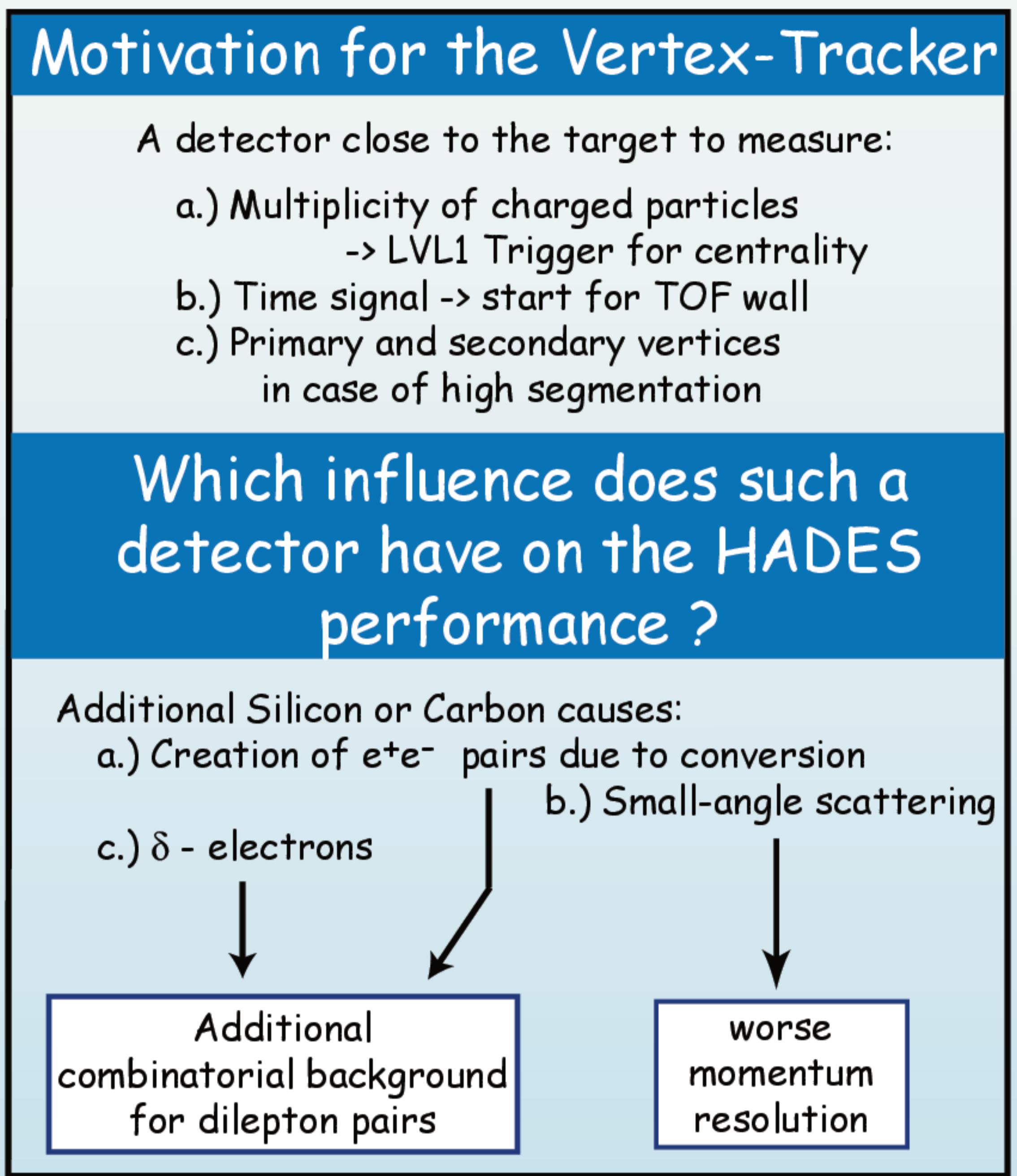
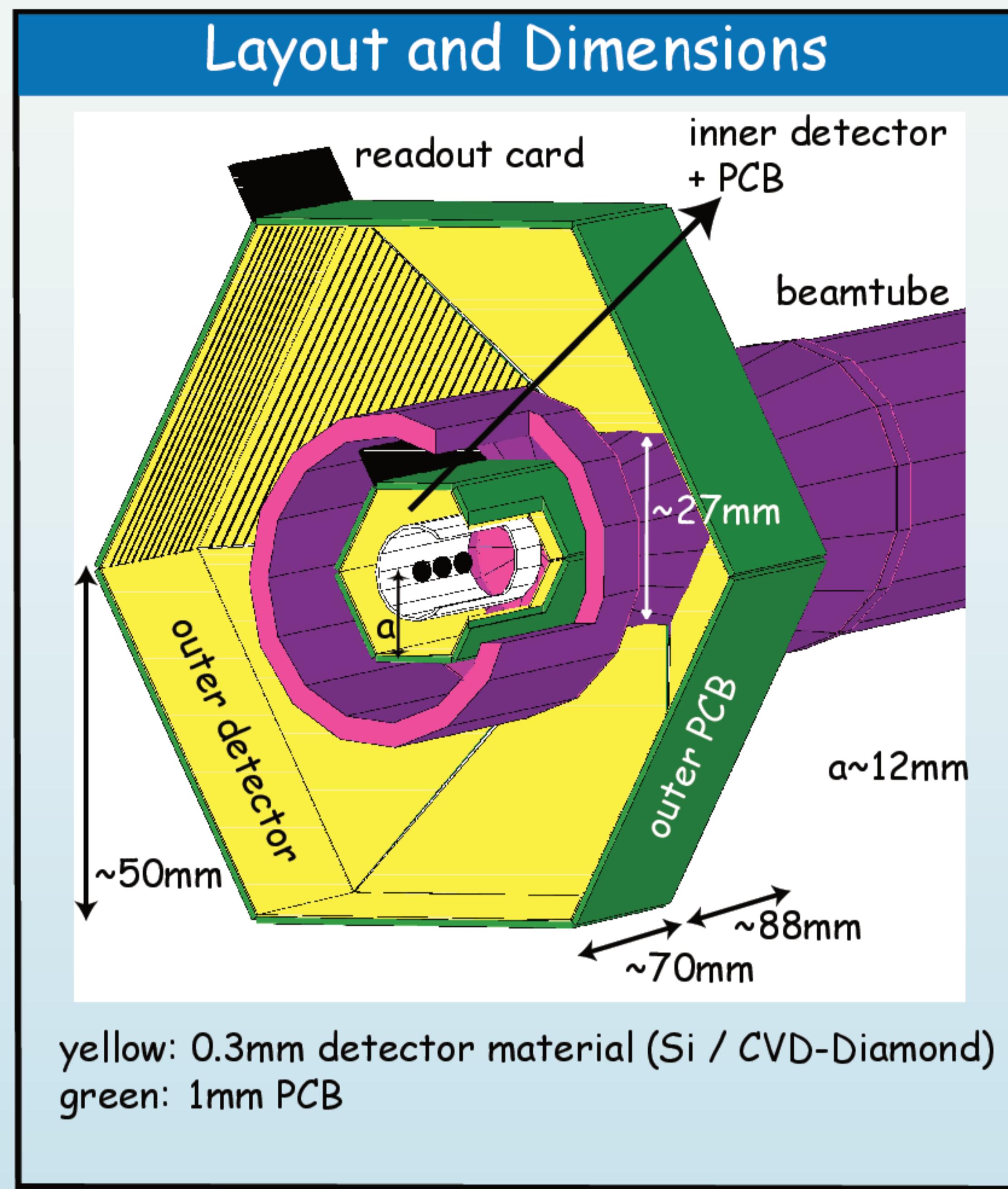




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A new Vertex-Tracking detector for HADES



Conclusion

A feasible geometry for a new Vertex Tracking detector was proposed and simulated.

A new Si- or CVD-D-detector would increase the conversion rate by a factor of 2.4 and 2.1 respectively.

A new Si- or CVD-D-detector would deteriorate the momentum resolution from 1.9% to 2.6%. Consequently the resulting expected momentum resolution is still sufficiently good for the reconstruction of dileptons.

